

## SEQUENCE LISTING

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Pro	Arg	Lys	Gly	Arg	Lys	Pro	Pro	Ala	Val	Pro	Lys	Ala	Leu	Val	Pro			
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cca	ccc	aga	ctc	ccc	acc	aag	agg	aag	gcc	tca	gaa	gag	gct	cga	gct			556
Pro	Pro	Arg	Leu	Pro	Thr	Lys	Arg	Lys	Ala	Ser	Glu	Glu	Ala	Arg	Ala			
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			160					165					170					
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Gln	Arg	Leu	Pro	Leu	Gly	Asn	Gly	Ile	Gln	Thr	Met	Ser	Ala	Ser	Val			
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Gln	Arg	Ala	Val	Ala	Met	Ser	Ser	Gly	Asp	Val	Pro	Gly	Ala	Arg	Gly			
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gcc	gtg	gag	ggg	atc	ctc	atc	cag	cag	gtg	ttt	gag	tca	ggc	ggc	tcc			796
Ala	Val	Glu	Gly	Ile	Leu	Ile	Gln	Gln	Val	Phe	Glu	Ser	Gly	Gly	Ser			
205					210					215					220			
aag	aag	tgc	atc	cag	gtt	ggc	ggg	gag	ttc	tac	act	ccc	agc	aag	ttc			844
Lys	Lys	Cys	Ile	Gln	Val	Gly	Gly	Glu	Phe	Tyr	Thr	Pro	Ser	Lys	Phe			
				225					230					235				
gaa	gac	tcc	ggc	agt	ggg	aag	aac	aag	gcc	cgc	agc	agc	agt	ggc	ccg			892
Glu	Asp	Ser	Gly	Ser	Gly	Lys	Asn	Lys	Ala	Arg	Ser	Ser	Ser	Gly	Pro			
			240					245					250					
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		255					260					265						
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Gly	Glu	Ala	Arg	Leu	Gly	Gln	Gln	Gly	Ser	Val	Pro	Ala	Pro	Leu	Ala			
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Leu	Pro	Ser	Asp	Pro	Gln	Leu	His	Gln	Lys	Asn	Glu	Asp	Glu	Cys	Ala			
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Val	Cys	Arg	Asp	Gly	Gly	Glu	Leu	Ile	Cys	Cys	Asp	Gly	Cys	Pro	Arg			
				305					310					315				
gcc	ttc	cac	ctg	gcc	tgc	ctg	tcc	cct	ccg	ctc	cgg	gag	atc	ccc	agt			1132
Ala	Phe	His	Leu	Ala	Cys	Leu	Ser	Pro	Pro	Leu	Arg	Glu	Ile	Pro	Ser			
			320					325					330					
ggg	acc	tgg	agg	tgc	tcc	agc	tgc	ctg	cag	gca	aca	gtc	cag	gag	gtg			1180
Gly	Thr	Trp	Arg	Cys	Ser	Ser	Cys	Leu	Gln	Ala	Thr	Val	Gln	Glu	Val			
		335					340					345						
cag	ccc	cgg	gca	gag	gag	ccc	cgg	ccc	cag	gag	cca	ccc	gtg	gag	acc			1228
Gln	Pro	Arg	Ala	Glu	Glu	Pro	Arg	Pro	Gln	Glu	Pro	Pro	Val	Glu	Thr			

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gcc ctg cac ccc cta ctg tgt gtg ggt cct gag ggt cag cag aac ctg Ala Leu His Pro Leu Leu Cys Val Gly Pro Glu Gly Gln Gln Asn Leu 415 420 425			1420
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cgg tgt act cac tgc gcc gct gcc ttc cac tgg cgc tgc cac ttc cca Arg Cys Thr His Cys Ala Ala Ala Phe His Trp Arg Cys His Phe Pro 445 450 455 460			1516
gcc ggc acc tcc cgg ccc ggg acg ggc ctg cgc tgc aga tcc tgc tca Ala Gly Thr Ser Arg Pro Gly Thr Gly Leu Arg Cys Arg Ser Cys Ser 465 470 475			1564
gga gac gtg acc cca gcc cct gtg gag ggg gtg ctg gcc ccc agc ccc Gly Asp Val Thr Pro Ala Pro Val Glu Gly Val Leu Ala Pro Ser Pro 480 485 490			1612
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ccc gct ctg cac agg gat gac ctg gag tcc ctt ctg agc gag cac acc Pro Ala Leu His Arg Asp Asp Leu Glu Ser Leu Leu Ser Glu His Thr 510 515 520			1708
ttc gat ggc atc ctg cag tgg gcc atc cag agc atg gcc cgt ccg gcg Phe Asp Gly Ile Leu Gln Trp Ala Ile Gln Ser Met Ala Arg Pro Ala 525 530 535 540			1756
gcc ccc ttc ccc tcc tgaccccaga tggccgggac atgcagctct gatgagagag Ala Pro Phe Pro Ser 545			1811
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gacagcgcca cctcttgtca gtgctcggct gttaaagagct ctgtgtttct ggggacacca			1931
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<210> 2  
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 <212> PRT  
 <213> HOMO SAPIENS

<400> 2

Met Ala Thr Asp Ala Ala Leu Arg Arg Leu Leu Arg Leu His Arg Thr  
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Glu Ile Ala Val Ala Val Asp Ser Ala Phe Pro Leu Leu His Ala Leu  
20 25 30

Ala Asp His Asp Val Val Pro Glu Asp Lys Phe Gln Glu Thr Leu His  
35 40 45

Leu Lys Glu Lys Glu Gly Cys Pro Gln Ala Phe His Ala Leu Leu Ser  
50 55 60

Trp Leu Leu Thr Gln Asp Ser Thr Ala Ile Leu Asp Phe Trp Arg Val  
65 70 75 80

Leu Phe Lys Asp Tyr Asn Leu Glu Arg Tyr Gly Arg Leu Gln Pro Ile  
85 90 95

Leu Asp Ser Phe Pro Lys Asp Val Asp Leu Ser Gln Pro Arg Lys Gly  
100 105 110

Arg Lys Pro Pro Ala Val Pro Lys Ala Leu Val Pro Pro Pro Arg Leu  
115 120 125

Pro Thr Lys Arg Lys Ala Ser Glu Glu Ala Arg Ala Ala Ala Pro Ala  
130 135 140

Ala Leu Thr Pro Arg Gly Thr Ala Ser Pro Gly Ser Gln Leu Lys Ala  
145 150 155 160

Lys Pro Pro Lys Lys Pro Glu Ser Ser Ala Glu Gln Gln Arg Leu Pro  
165 170 175

Leu Gly Asn Gly Ile Gln Thr Met Ser Ala Ser Val Gln Arg Ala Val  
180 185 190

Ala Met Ser Ser Gly Asp Val Pro Gly Ala Arg Gly Ala Val Glu Gly  
195 200 205

Ile Leu Ile Gln Gln Val Phe Glu Ser Gly Gly Ser Lys Lys Cys Ile  
210 215 220

Gln Val Gly Gly Glu Phe Tyr Thr Pro Ser Lys Phe Glu Asp Ser Gly  
225 230 235 240

Ser Gly Lys Asn Lys Ala Arg Ser Ser Ser Gly Pro Lys Pro Leu Val  
245 250 255

Arg Ala Lys Gly Ala Gln Gly Ala Ala Pro Gly Gly Gly Glu Ala Arg  
 260 265 270  
 Leu Gly Gln Gln Gly Ser Val Pro Ala Pro Leu Ala Leu Pro Ser Asp  
 275 280 285  
 Pro Gln Leu His Gln Lys Asn Glu Asp Glu Cys Ala Val Cys Arg Asp  
 290 295 300  
 Gly Gly Glu Leu Ile Cys Cys Asp Gly Cys Pro Arg Ala Phe His Leu  
 305 310 315 320  
 Ala Cys Leu Ser Pro Pro Leu Arg Glu Ile Pro Ser Gly Thr Trp Arg  
 325 330 335  
 Cys Ser Ser Cys Leu Gln Ala Thr Val Gln Glu Val Gln Pro Arg Ala  
 340 345 350  
 Glu Glu Pro Arg Pro Gln Glu Pro Pro Val Glu Thr Pro Leu Pro Pro  
 355 360 365  
 Gly Leu Arg Ser Ala Gly Glu Glu Val Arg Gly Pro Pro Gly Glu Pro  
 370 375 380  
 Leu Ala Gly Met Asp Thr Thr Leu Val Tyr Lys His Leu Pro Ala Pro  
 385 390 395 400  
 Pro Ser Ala Ala Pro Leu Pro Gly Leu Asp Ser Ser Ala Leu His Pro  
 405 410 415  
 Leu Leu Cys Val Gly Pro Glu Gly Gln Gln Asn Leu Ala Pro Gly Ala  
 420 425 430  
 Arg Cys Gly Val Cys Gly Asp Gly Thr Asp Val Leu Arg Cys Thr His  
 435 440 445  
 Cys Ala Ala Ala Phe His Trp Arg Cys His Phe Pro Ala Gly Thr Ser  
 450 455 460  
 Arg Pro Gly Thr Gly Leu Arg Cys Arg Ser Cys Ser Gly Asp Val Thr  
 465 470 475 480  
 Pro Ala Pro Val Glu Gly Val Leu Ala Pro Ser Pro Ala Arg Leu Ala  
 485 490 495  
 Pro Gly Pro Ala Lys Asp Asp Thr Ala Ser His Glu Pro Ala Leu His  
 500 505 510

Arg Asp Asp Leu Glu Ser Leu Leu Ser Glu His Thr Phe Asp Gly Ile  
 515 520 525

Leu Gln Trp Ala Ile Gln Ser Met Ala Arg Pro Ala Ala Pro Phe Pro  
 530 535 540

Ser  
 545

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 <222> (237)..(1280)

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 atccactggg aatgccatgc tcattcttcg tccccagcat ggtttcttaa tggggtagaa 180  
 gcaggctcggg agagacctcc ctgggcctgg cccactgcc ctgtgaggaa gggttc atg 239  
 Met  
 1  
 tgg ttg gtg tac agt tcc ggg gcc cct gga acg cag cag cct gca aga 287  
 Trp Leu Val Tyr Ser Ser Gly Ala Pro Gly Thr Gln Gln Pro Ala Arg  
 5 10 15  
 aac cgg gtt ttc ttc cca ata ggg atg gcc ccg ggg ggt gtc tgt tcg 335  
 Asn Arg Val Phe Phe Pro Ile Gly Met Ala Pro Gly Gly Val Cys Ser  
 20 25 30  
 aga cca gat gga tgg gga aca ggt ggt cag gcc aga att tca ggc cct 383  
 Arg Pro Asp Gly Trp Gly Thr Gly Gly Gln Gly Arg Ile Ser Gly Pro  
 35 40 45  
 ggc agc atg gga gca ggg cag aga ctg ggg agt tca ggt acc cag aga 431  
 Gly Ser Met Gly Ala Gly Gln Arg Leu Gly Ser Ser Gly Thr Gln Arg  
 50 55 60 65  
 tgc tgc tgg ggg agc tgt ttt ggg aag gag gtg gct ctc agg agg gtg 479  
 Cys Cys Trp Gly Ser Cys Phe Gly Lys Glu Val Ala Leu Arg Arg Val  
 70 75 80  
 ctg cac ccc agc cca gtc tgc atg ggc gtc tct tgc ctg tgc cag aag 527  
 Leu His Pro Ser Pro Val Cys Met Gly Val Ser Cys Leu Cys Gln Lys  
 85 90 95  
 aat gag gac gag tgt gcc gtg tgt cgg gac ggc ggg gag ctc atc tgc 575  
 Asn Glu Asp Glu Cys Ala Val Cys Arg Asp Gly Gly Glu Leu Ile Cys  
 100 105 110  
 tgt gac ggc tgc cct cgg gcc ttc cac ctg gcc tgc ctg tcc cct ccg 623  
 Page 6

Cys 115	Asp	Gly	Cys	Pro	Arg	Ala 120	Phe	His	Leu	Ala	Cys 125	Leu	Ser	Pro	Pro						
ctc Leu 130	cgg Arg	gag Glu	atc Ile	ccc Pro	agt Ser 135	ggg Gly	acc Thr	tgg Trp	agg Arg	tgc Cys 140	tcc Ser	agc Ser	tgc Cys	ctg Leu	cag Gln 145	671					
gca Ala	aca Thr	gtc Val	cag Gln 150	gag Glu 150	gtg Val	cag Gln	ccc Pro	cgg Arg	gca Ala 155	gag Glu	gag Glu	ccc Pro	cgg Arg	ccc Pro 160	cag Gln	719					
gag Glu	cca Pro	ccc Pro	gtg Val 165	gag Glu	acc Thr	ccg Pro	ctc Leu	ccc Pro 170	ccg Pro	ggg Gly	ctt Leu	agg Arg	tgc Ser 175	gcg Ala	gga Gly	767					
gag Glu	gag Glu	gta Val 180	aga Arg	ggt Gly	cca Pro	cct Pro	ggg Gly 185	gaa Glu	ccc Pro	cta Leu	gcc Ala	ggc Gly 190	atg Met	gac Asp	acg Thr	815					
act Thr	ctt Leu 195	gtc Val	tac Tyr	aag Lys	cac His	ctg Leu 200	ccg Pro	gct Ala	ccg Pro	cct Pro	tct Ser 205	gca Ala	gcc Ala	ccg Pro	ctg Leu	863					
cca Pro 210	ggt Gly	ctg Leu	gac Asp	tcc Ser 215	tcg Ser	gcc Ala	ctg Leu	cac His	ccc Pro	cta Leu 220	ctg Leu	tgt Cys	gtg Val	ggt Gly	cct Pro 225	911					
gag Glu	ggt Gly	cag Gln	cag Gln	aac Asn 230	ctg Leu	gct Ala	cct Pro	ggt Gly	gcg Ala 235	cgt Arg	tgc Cys	ggg Gly	gtg Val	tgc Cys 240	gga Gly	959					
gat Asp	ggt Gly	acg Thr	gac Asp 245	gtg Val	ctg Leu	cgg Arg	tgt Cys	act Thr 250	cac His	tgc Cys	gcc Ala	gct Ala	gcc Ala 255	ttc Phe	cac His	1007					
tgg Trp	cgc Arg	tgc Cys 260	cac His	ttc Phe	cca Pro	gcc Ala	ggc Gly 265	acc Thr	tcc Ser	cgg Arg	ccc Pro	ggg Gly 270	acg Thr	ggc Gly	ctg Leu	1055					
cgc Arg 275	tgc Cys	aga Arg	tcc Ser	tgc Cys	tca Ser	gga Gly 280	gac Asp	gtg Val	acc Thr	cca Pro	gcc Ala 285	cct Pro	gtg Val	gag Glu	ggg Gly	1103					
gtg Val 290	ctg Leu	gcc Ala	ccc Pro	agc Ser	ccc Pro 295	gcc Ala	cgc Arg	ctg Leu	gcc Ala	cct Pro 300	ggg Gly	cct Pro	gcc Ala	aag Lys	gat Asp 305	1151					
gac Asp	act Thr	gcc Ala	agt Ser	cac His 310	gag Glu	ccc Pro	gct Ala	ctg Leu	cac His 315	agg Arg	gat Asp	gac Asp	ctg Leu	gag Glu 320	tcc Ser	1199					
ctt Leu	ctg Leu	agc Ser	gag Glu 325	cac His	acc Thr	ttc Phe	gat Asp	ggc Gly 330	atc Ile	ctg Leu	cag Gln	tgg Trp	gcc Ala 335	atc Ile	cag Gln	1247					
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ccggctggga tcaagaagg gacagcgcca cctcttgtca gtgctcggct gtaaacagct																1420					
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agctg 1545

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<213> HOMO SAPIENS

<400> 4

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Arg Asn Arg Val Phe Phe Pro Ile Gly Met Ala Pro Gly Gly Val Cys  
20 25 30

Ser Arg Pro Asp Gly Trp Gly Thr Gly Gly Gln Gly Arg Ile Ser Gly  
35 40 45

Pro Gly Ser Met Gly Ala Gly Gln Arg Leu Gly Ser Ser Gly Thr Gln  
50 55 60

Arg Cys Cys Trp Gly Ser Cys Phe Gly Lys Glu Val Ala Leu Arg Arg  
65 70 75 80

Val Leu His Pro Ser Pro Val Cys Met Gly Val Ser Cys Leu Cys Gln  
85 90 95

Lys Asn Glu Asp Glu Cys Ala Val Cys Arg Asp Gly Gly Glu Leu Ile  
100 105 110

Cys Cys Asp Gly Cys Pro Arg Ala Phe His Leu Ala Cys Leu Ser Pro  
115 120 125

Pro Leu Arg Glu Ile Pro Ser Gly Thr Trp Arg Cys Ser Ser Cys Leu  
130 135 140

Gln Ala Thr Val Gln Glu Val Gln Pro Arg Ala Glu Glu Pro Arg Pro  
145 150 155 160

Gln Glu Pro Pro Val Glu Thr Pro Leu Pro Pro Gly Leu Arg Ser Ala  
165 170 175

Gly Glu Glu Val Arg Gly Pro Pro Gly Glu Pro Leu Ala Gly Met Asp  
180 185 190

Thr Thr Leu Val Tyr Lys His Leu Pro Ala Pro Pro Ser Ala Ala Pro  
195 200 205



Leu Pro Gly Leu Asp Ser Ser Ala Leu His Pro Leu Leu Cys Val Gly  
 210 215 220

Pro Glu Gly Gln Gln Asn Leu Ala Pro Gly Ala Arg Cys Gly Val Cys  
 225 230 235 240

Gly Asp Gly Thr Asp Val Leu Arg Cys Thr His Cys Ala Ala Ala Phe  
 245 250 255

His Trp Arg Cys His Phe Pro Ala Gly Thr Ser Arg Pro Gly Thr Gly  
 260 265 270

Leu Arg Cys Arg Ser Cys Ser Gly Asp Val Thr Pro Ala Pro Val Glu  
 275 280 285

Gly Val Leu Ala Pro Ser Pro Ala Arg Leu Ala Pro Gly Pro Ala Lys  
 290 295 300

Asp Asp Thr Ala Ser His Glu Pro Ala Leu His Arg Asp Asp Leu Glu  
 305 310 315 320

Ser Leu Leu Ser Glu His Thr Phe Asp Gly Ile Leu Gln Trp Ala Ile  
 325 330 335

Gln Ser Met Ala Arg Pro Ala Ala Pro Phe Pro Ser  
 340 345

<210> 5  
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 <212> DNA  
 <213> HOMO SAPIENS

<220>  
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 <222> (237)..(998)

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 atccactggg aatgccatgc tcattctttcg tccccagcat ggtttcttaa tggggtagaa 180  
 gcaggtcggg agagacctcc ctgggcctgg cccactgcc ctgtgaggaa gggttc atg 239  
 Met  
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tgg ttg gtg tac agt tcc ggg gcc cct gga acg cag cag cct gca aga 287  
 Trp Leu Val Tyr Ser Ser Gly Ala Pro Gly Thr Gln Gln Pro Ala Arg  
 5 10 15

aac cgg gtt ttc ttc cca ata ggg atg gcc ccg ggg ggt gtc tgt tgg 335  
 Asn Arg Val Phe Phe Pro Ile Gly Met Ala Pro Gly Gly Val Cys Trp  
 Page 9

20	25	30	
aga cca gat gga tgg gga aca ggt ggt cag ggc aga att tca ggc cct Arg Pro Asp Gly Trp Gly Thr Gly Gly Gln Gly Arg Ile Ser Gly Pro 35 40 45			383
ggc agc atg gga gca ggg cag aga ctg ggg agt tca ggt acc cag aga Gly Ser Met Gly Ala Gly Gln Arg Leu Gly Ser Ser Gly Thr Gln Arg 50 55 60 65			431
tgc tgc tgg ggg agc tgt ttt ggg aag gag gtg gct ctc agg agg gtg Cys Cys Trp Gly Ser Cys Phe Gly Lys Glu Val Ala Leu Arg Arg Val 70 75 80			479
ctg cac ccc agc cca gtc tgc atg ggc gtc tct tgc ctg tgc cag aag Leu His Pro Ser Pro Val Cys Met Gly Val Ser Cys Leu Cys Gln Lys 85 90 95			527
aat gag gac gag tgt gcc gtg tgt cgg gac ggc ggg gag ctc atc tgc Asn Glu Asp Glu Cys Ala Val Cys Arg Asp Gly Gly Glu Leu Ile Cys 100 105 110			575
tgt gac ggc tgc cct cgg gcc ttc cac ctg gcc tgc ctg tcc cct ccg Cys Asp Gly Cys Pro Arg Ala Phe His Leu Ala Cys Leu Ser Pro Pro 115 120 125			623
ctc cgg gag atc ccc agt ggg acc tgg agg tgc tcc agc tgc ctg cag Leu Arg Glu Ile Pro Ser Gly Thr Trp Arg Cys Ser Ser Cys Leu Gln 130 135 140 145			671
gca aca gtc cag gag gtg cag ccc cgg gca gag gag ccc cgg ccc cag Ala Thr Val Gln Glu Val Gln Pro Arg Ala Glu Glu Pro Arg Pro Gln 150 155 160			719
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gag gag ccc cgc tgc cag ggc tgg act cct cgg ccc tgc acc ccc tac Glu Glu Pro Arg Cys Gln Gly Trp Thr Pro Arg Pro Cys Thr Pro Tyr 180 185 190			815
tgt gtg tgg gtc ctg agg gtc agc aga acc tgg ctc ctg gtg cgc gtt Cys Val Trp Val Leu Arg Val Ser Arg Thr Trp Leu Leu Val Arg Val 195 200 205			863
gcg ggg tgt gcg gag atg gta cgg acg tgc tgc ggt gta ctc act gcg Ala Gly Cys Ala Glu Met Val Arg Thr Cys Cys Gly Val Leu Thr Ala 210 215 220 225			911
ccg ctg cct tcc act ggc gct gcc act tcc cag ccg gca cct ccc ggc Pro Leu Pro Ser Thr Gly Ala Ala Thr Ser Gln Pro Ala Pro Pro Gly 230 235 240			959
ccg gga cgg gcc tgc gct gca gat cct gct cag gag acg tgaccccgagc Pro Gly Arg Ala Cys Ala Ala Asp Pro Ala Gln Glu Thr			1008
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tgacactgcc agtcacgagc ccgctctgca cagggatgac ctggagtccc ttctgagcga			1128
gcacaccttc gatggcatcc tgcagtgggc catccagagc atggcccgtc cggcggcccc			1188

cttccccctcc tgaccccaga tggccgggac atgcagctct gatgagagag tgctgagaag 1248  
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cctcttgtca gtgctcggct gtaaacagct ctgtgtttct ggggacacca gccatcatgt 1368  
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<211> 254  
<212> PRT  
<213> HOMO SAPIENS

<400> 6

Met Trp Leu Val Tyr Ser Ser Gly Ala Pro Gly Thr Gln Gln Pro Ala  
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Arg Asn Arg Val Phe Phe Pro Ile Gly Met Ala Pro Gly Gly Val Cys  
20 25 30

Trp Arg Pro Asp Gly Trp Gly Thr Gly Gly Gln Gly Arg Ile Ser Gly  
35 40 45

Pro Gly Ser Met Gly Ala Gly Gln Arg Leu Gly Ser Ser Gly Thr Gln  
50 55 60

Arg Cys Cys Trp Gly Ser Cys Phe Gly Lys Glu Val Ala Leu Arg Arg  
65 70 75 80

Val Leu His Pro Ser Pro Val Cys Met Gly Val Ser Cys Leu Cys Gln  
85 90 95

Lys Asn Glu Asp Glu Cys Ala Val Cys Arg Asp Gly Gly Glu Leu Ile  
100 105 110

Cys Cys Asp Gly Cys Pro Arg Ala Phe His Leu Ala Cys Leu Ser Pro  
115 120 125

Pro Leu Arg Glu Ile Pro Ser Gly Thr Trp Arg Cys Ser Ser Cys Leu  
130 135 140

Gln Ala Thr Val Gln Glu Val Gln Pro Arg Ala Glu Glu Pro Arg Pro  
145 150 155 160

Gln Glu Pro Pro Val Glu Thr Pro Leu Pro Pro Gly Leu Arg Ser Ala  
165 170 175

Gly Glu Glu Pro Arg Cys Gln Gly Trp Thr Pro Arg Pro Cys Thr Pro  
180 185 190

Tyr Cys Val Trp Val Leu Arg Val Ser Arg Thr Trp Leu Leu Val Arg  
195 200 205

Val Ala Gly Cys Ala Glu Met Val Arg Thr Cys Cys Gly Val Leu Thr  
210 215 220

Ala Pro Leu Pro Ser Thr Gly Ala Ala Thr Ser Gln Pro Ala Pro Pro  
225 230 235 240

Gly Pro Gly Arg Ala Cys Ala Ala Asp Pro Ala Gln Glu Thr  
245 250

<210> 7  
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<212> DNA  
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<220>  
<223> Description of Artificial Sequence: PRIMER

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<210> 8  
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<213> ARTIFICIAL

<220>  
<223> Description of Artificial Sequence: PRIMER

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<210> 9  
<211> 20  
<212> DNA  
<213> ARTIFICIAL

<220>  
<223> Description of Artificial Sequence: PRIMER

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<210> 10  
<211> 24  
<212> DNA  
<213> ARTIFICIAL

<220>  
<223> Description of Artificial Sequence: PRIMER

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<210> 11  
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<400> 21  
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<400> 22  
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<210> 23  
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<210> 24  
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<210> 25  
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<210> 26  
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<400> 26

Cys Lys Asn Lys Ala Arg Ser Ser Ser Gly Pro Lys Pro Leu Val  
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<210> 27

<211> 24

<212> DNA

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<223> Description of Artificial Sequence: PRIMER

<400> 27

atggcgacgg acgcggcgct acgc

24

<210> 28

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<400> 28

cctggatgta cttcttggag ccgc

24

<210> 29

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<400> 29

gagccccgagg ggccgtggag ggga

24

<210> 30

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<212> DNA

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<400> 30

ggctgcacct cctggactgt tgcc

24

<210> 31

<211> 24

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<400> 31

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24



<210> 32  
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<400> 32  
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<400> 33  
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<400> 34  
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<212> DNA  
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<400> 35  
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<210> 36  
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<400> 36  
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1 5 10 15

Ala Ala Ala Phe His Trp Arg Cys His Phe Pro Ala Gly Thr Ser Arg  
20 25 30

Pro Gly Thr Gly Leu Arg Cys Arg Ser Cys  
35 40

<210> 37  
<211> 42  
<212> PRT  
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<400> 37

Cys Glu Val Cys Gln Gln Gly Gly Glu Ile Ile Leu Cys Asp Thr Cys  
1 5 10 15

Pro Arg Ala Thr His Met Val Cys Leu Asp Pro Asp Met Glu Lys Ala  
20 25 30

Pro Glu Gly Leu Trp Ser Cys Pro His Cys  
35 40

<210> 38  
<211> 42  
<212> PRT  
<213> HOMO SAPIENS

<400> 38

Cys Arg Val Cys Lys Asp Gly Gly Glu Leu Ile Cys Cys Asp Thr Cys  
1 5 10 15

Pro Ser Ser Tyr His Ile His Cys Leu Asn Pro Pro Leu Pro Glu Ile  
20 25 30

Pro Asn Gly Glu Trp Leu Cys Pro Arg Cys  
35 40

<210> 39  
<211> 42  
<212> PRT  
<213> HOMO SAPIENS

<400> 39

Cys Ala Val Cys Gln Asn Gly Gly Glu Leu Ile Cys Cys Glu Leu Cys  
1 5 10 15

Pro Lys Val Phe His Leu Ser Cys Gly Val Pro Thr Leu Thr Asn Phe  
20 25 30

Pro Ser Gly Glu Thr Ile Cys Thr Phe Cys  
35 40